Killam
Associates □ Consulting Engineers

27 Bleeker Street
Millburn, NJ 07041-1008
Telephone: 201-379-3400
Fax: 201-912-2400

July 15, 1993

Mr. Joe Novak
Case Manager
Industrial Site Evaluation Element
New Jersey Department of Environmental
Protection and Energy
CN 028
401 East State Street, Floor 5
Trenton, New Jersey 08625-0028

RE: June 1993 Monthly Progress Report on Remedial Activities at the Former Hexcel Site
205 Main Street, Lodi Borough
Bergen County, New Jersey
ECRA Case No. 86009

Dear Mr. Novak:

On behalf of Hexcel Corporation, Killam Associates (Killam), has prepared this summary report of remedial activities performed at the above referenced site during the period of June 16, 1993 to July 15, 1993. This report satisfies the requirements of Paragraph 36 of the New Jersey Department of Environmental Protection and Energy (NJDEPE) conditional approval letter of July 31, 1990.

A. GROUNDWATER

Collection of Basement Seepage Water

On June 24, 1993, the catalytic oxidizer at the Hexcel site was repaired by an Anguil technician. Approximately 3,000 gallons of basement seepage water which was collected during the months of June and July 1993, were treated.

Upper Overburden Aquifer

No additional work was performed relating to the upper overburden aquifer during the month of June.

Lower Overburden Aquifer

No additional work was performed relating to the lower overburden aquifer during the month of June.

B. SOILS

No additional work was performed relating to soils during the month of June.

C. GROUNDWATER TREATMENT SYSTEM OPERATION

The 3,000 gallons of basement seepage water collected in the months of June and July has been treated, but not discharged to the Passaic Valley Sewerage Commissioners (PVSC) as the PVSC Permit for Hexcel under Fine Organics (Permit #17405042) expired on November 30, 1992. Hexcel has applied for an extension to this permit with the PVSC.

On July 7, 1993, approximately 3,000 gallons of treated basement seepage water was trucked offsite and disposed of at E.I. Du Pont de Nemours and Co., Inc., Chambersworks, in Deepwater, New Jersey. A copy of the manifest documenting this activity can be found in Appendix A of this report.

Although Hexcel did not discharge during the month of June, it is still necessary to file the appropriate PVSC MR-2 form. A copy of this form is included in Appendix B of this report.

D. DENSE NON-AQUEOUS PHASE LIQUID (DNAPL)

On July 6, 1993, DNAPL measurements were collected. The results may be found in Appendix C of this report.

E. LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL)

In accordance with the Groundwater/DNAPL/LNAPL Monitoring Plan dated October, 1992, groundwater and LNAPL measurements were collected on July 6, 1993. Approximately 1/10 of a gallon of LNAPL was removed from CW-7. The results may be found in Appendix D of this report.

F. STATUS OF PERMITS

Air Control Apparatus
No activity occurred during this time period.

PVSC Sewer Connection Permit
A finalized version of this permit has been prepared and Hexcel is currently waiting for Fine Organics Corporation to sign the endorsement in the permit application. After this signature is obtained, Hexcel will submit the application to the PVSC.

NJPDES Discharge to Groundwater Permit
No additional work was performed relevant to the NJPDES DGW Permit during the month of June.

NJPDES Discharge to Surface Water Permit
No additional work was performed relevant to the NJPDES DSW Permit during the month of June.

NJDEPE Sewer Connection Permit
Hexcel is currently awaiting endorsement from Fine Organics Corporation. Upon receiving this endorsement, Hexcel will submit the permit application to the NJDEPE.

Stream Encroachment Permit
A Stream Encroachment Permit is required to install the sewerline connection since the Hexcel facility is located in a flood plain. This permit application is finalized and Hexcel is currently waiting for final endorsements from Fine Organics Corporation.

G. GROUNDWATER SAMPLING

Hexcel will be sampling the twenty-seven previously designated groundwater monitoring wells at the Hexcel site on July 27 through 29, 1993.

If you have any questions regarding this report, please do not hesitate to contact me at (201) 912-2489.

Very truly yours,

KILLAM ASSOCIATES

Gary K. Walker

Gary K. Walker
Senior Project Scientist

cc: A. William Nosil, Hexcel Corporation
James Higdon, Fine Organics
Lisa Bromberg, Esq.
Essam Saleh, Hexcel Corporation

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APPENDIX A

Manifest for Disposal of Treated Basement Seepage Water
July 7, 1993

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hexcel Corporation
205 Main Street, Lodi, New Jersey 07644

4. Generator's Phone (201) 472-5900

A. State Manifest Document Number: NJA 1666284

B. State Generator's ID: SAME

5. Transporter 1 Company Name: K.E.I. Industrial Services

6. US EPA ID Number

C. State Trans. ID: NJDEP5

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Trans. ID

9. Designated Facility Name and Site Address
E.I. DuPont de Nemours & Co., Inc.
Chambers Works - Route 130
Deepwater, NJ 08023

10. US EPA ID Number

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (609) 540-2594

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	Waste Chemical Process Liquid Non RCRA/Non DOT Regulated Material	001	TK	3100	G	Y09
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. 1. Water 100%
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a.
c.
b.
d.

15. Special Handling Instructions and Additional Information
DEI Job # 920143 PO # 2607 Contract # DW0-2271 Release # 01
NO Decal # Tractor 45046 Trailer 44918 VIN
24Hr. Emergency Contact # (800)752-1033

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name | Signature | Month Day Year

X | X | 04/04/95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Alan Rutherford | Signature | Month Day Year: 04/04/95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

8 — GENERATOR COPY

883790005

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APPENDIX B

MR-2 for June, 1993

NAME HEXCEL CORPORATION CONTRIBUTING TO FINE ORGANICS DISCHARGE

ADDRESS 205 MAIN STREET

FACILITY LOCATION LODI, NJ 07644

OUTLET DESIGNATION (17 DIGITS) 17405041-37430-0171 OUTLET #INDUSTRIAL S.

MONITORING PERIOD					
06	01	93	06	30	93
MO.	DAY	YR	MO.	DAY	YR
START			END		

VOL DISCHARGED THIS PERIOD
NONE GALS
CU. FT. X 7.48 = GALLONS
4050
EFFLUENT METER READING LAST DAY THIS PERIOD

DATE	BOD 0310	TSS 0530						
	NODI							
	NO DISCHARGE		DURING		THIS	PERIOD		

SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT	TYPE NAME AND TITLE	TELEPHONE NO.
[signature]	DAVID H. KNOWLES	201-912-2584
		DATE 7/7/93

PVSC FORM MR-2 REV.2. 1/86

883790007

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APPENDIX C

DNAPL Monitoring Forms

May 27-28, 1993

HEXCEL PROJECT, LODI, NJ
DNAPL MONITORING FORM

Well No.	TOC Elevation (ft, NJVD)	Depth to Water (ft)	Depth to DNAPL	Total Well Depth (From TOC)	Water Elevation (ft, NJVD)	Thickness of DNAPL	Time of Day	Remarks
CW-3	29.72	7.25	ND	11.28	22.47		16:40	
CW-4	29.00	6.41	ND	10.86	22.59		13:00	
CW-5	28.67	6.40	ND	9.15	22.27		12:52	
CW-14	26.37	7.97	ND	13.74	18.40		15:46	
CW-15	26.31			11.80				Unable to access well.
CW-16	26.45	7.78	11.25	13.74	18.67	2.49	15:51	
CW-18				13.75				Unable to access well.

Note: The Total Well Depth (From TOC) will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

Killam
Associates :: Consulting Engineers

APPENDIX D

Groundwater/LNAPL Monitoring Forms

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM

DATE: July 6, 1993 RECORDED BY: Daniel Flatin
WEATHER CONDITIONS: Sunny, humid, upper 90's

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft., NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-1	23.27	32.42	10.41	22.01	14.03	12:54	ND		
MW-2	10.16	31.00	8.63	22.37	24.90	12:18	ND		
MW-3	30.50	31.13	10.76	20.37	4.84	13:19	ND		
MW-4	9.80	32.28	8.31	23.97	27.52	13:43	ND		
MW-5	28.18	32.50	11.63	20.87	9.03	13:44	ND		
MW-6	18.64	30.70	10.23	20.47	22.14	15:11	ND		
MW-7	32.66	30.68	10.11	20.57	3.18	15:10	ND		
MW-8	17.12	30.26	12.00	18.26	22.92	15:58	ND		
MW-9	29.52	29.83	9.25	20.58	4.89	15:56	ND		
MW-10	16.98	30.83	12.61	18.22	24.33	16:19	ND		
MW-11	33.64	30.78	10.48	20.30	7.28	16:18	ND		
MW-12	17.16	31.01	10.55	20.46	23.62	14:25	ND		
MW-13	33.06	31.16	10.13	21.03	2.63	14:24	ND		
MW-14	15.48	30.70	11.59	19.11	24.12	14:21	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft, NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-15	25.38	30.77	9.27	21.50	10.17	14:23	ND		
MW-16	12.80	29.69	7.50	22.19	21.71	16:21	ND		
MW-17	13.98	31.53	9.54	21.99	25.10	12:55	ND		
MW-18	11.23	32.23	9.59	22.64	26.04	12:45	ND		
MW-19	26.34	29.08	7.48	21.60	7.30	14:18	ND		
MW-20	19.68	27.95	5.48	22.47	13.50	12:16	ND		
MW-21	14.98	30.67	8.93	21.74	25.80	14:10	ND		
MW-22	8.33	28.36	6.13	22.23	24.73	12:21	ND		
MW-23	9.80	27.29	9.80	27.29	22.83	12:42	ND		
MW-24	9.76	26.12	9.67	26.12	21.93	12:04	ND		
MW-25	12.94	26.03	12.94	26.03	23.47	11:36	ND		
MW-26	12.90	28.88	7.88	21.00	12.26	13:55	ND		
MW-27	12.40	31.43	7.53	23.90	24.10	13:48	ND		
MW-28	14.86	29.68	10.79	18.89	24.50	14:45	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft, NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
MW-29	9.50	27.06	4.67	22.39	22.50	12:10	ND		
MW-30	10.32	27.95	5.44	22.51	22.25	12:30	ND		
MW-31	10.53	27.95	5.63	22.32	22.33	12:35	ND		
MW-32	11.10	32.38	9.14	23.24	27.41	13:51	ND		
MW-33	16.80	31.72	10.06	21.66	24.37	14:15	ND		
CW-1	11.34	29.77	7.45	22.32	23.27	13:04	ND		
CW-2	11.24	29.51	6.98	22.53	23.11	13:08	ND		
CW-6	8.34	28.93	6.46	22.47	25.25	12:50	ND		
CW-7	13.94	26.13	9.65	16.48	17.70	16:28	7.26 LNAPL	2.39	Removed 0.3 gallons of LNAPL from well via manual skimmer.
CW-8	14.90	26.77	8.44	18.33	17.70	16:12	ND		
CW-10	10.10	25.91	7.45	18.46	17.50	16:04	ND		
CW-13	11.28	26.05	7.71	18.34	17.60	15:42	ND		
CW-22	13.82	26.35	7.23	19.12	18.30	14:31	ND		
RW1-1	28.38	28.38	5.60	22.56	23.67	13:13	ND		

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
DNAPL MONITORING FORM

DATE: July 6 , 1993 RECORDED BY: Dan Flatin
WEATHER CONDITIONS: Sunny, humid, upper 90's

Well No.	TOC Elevation (ft, NJVD)	Depth to Water (ft)	Depth to DNAPL	Total Well Depth (From TOC)	Water Elevation (ft, NJVD)	Thickness of DNAPL	Time of Day	Remarks
RW7-2	26.48	6.39	ND	14.70	20.09		15:14	
RW7-3	26.78	6.69	ND	17.00	20.09		15:17	
RW7-4	27.11	7.05	ND	18.94	20.06		14:56	
RW7-6	26.48	7.28	ND	14.84	19.20		15:01	
RW7-7	26.89	7.06	ND	14.80	19.83		14:48	
RW7-8	25.90	5.76	ND	14.84	20.14		15:26	
RW7-9	26.87	7.24	ND	16.00	19.63		14:52	
RW7-10	26.08	7.29	ND	14.04	18.79		15:29	
RW6-1	28.84	3.69	ND	13.60	25.15		14:05	
RW6-2	29.27	3.99	ND	14.68	25.28		14:02	
MW-6	30.70	10.23	17.50	18.64	20.47	1.14	15:11	HNu, 0-1 ppm.
MW-8	30.26	12.00	15.63	17.12	18.26	1.49	15:58	HNu, 0-1 ppm.
MW-27	31.43	7.53	ND	12.40	23.90		13:48	
MW-28	29.68	10.79	ND	14.86	18.89		14:45	

Note: The Total Well Depth (From TOC) will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____

HEXCEL PROJECT, LODI, NJ
LNAPL/GROUNDWATER MONITORING FORM
(Continued)

Well No.	Total Depth of Well (TOC)	TOC Elevation (ft., NJVD)	Depth to Water (ft.)	Water Elevation (ft., NJVD)	Elev. of Top of Screen (ft., NJVD)	Time	Depth to LNAPL/ DNAPL	Thickness of LNAPL/ DNAPL	Remarks
RW6-1	13.60	28.84	3.69	25.15	20.28	14:05	ND		
RW7-8	14.84	25.90	5.76	20.14	16.71	15:26	ND		
RW15-1	14.80	28.89	7.80	21.09	25.68	13:25	ND		
RW15-2	14.00	30.13	7.77	22.36	26.37	16:42	ND		
P-1	14.00	30.06	7.48	22.58	27.79	13:26	ND		
P-2	12.40	30.06	8.20	21.86	28.73	17:00	7.98 LNAPL	0.22	

Note: The Total Well Depth (From TOC) and the Elev. of Top of Screen will be determined during the first monitoring episode.

CHECKED BY:_____, DATE:_____